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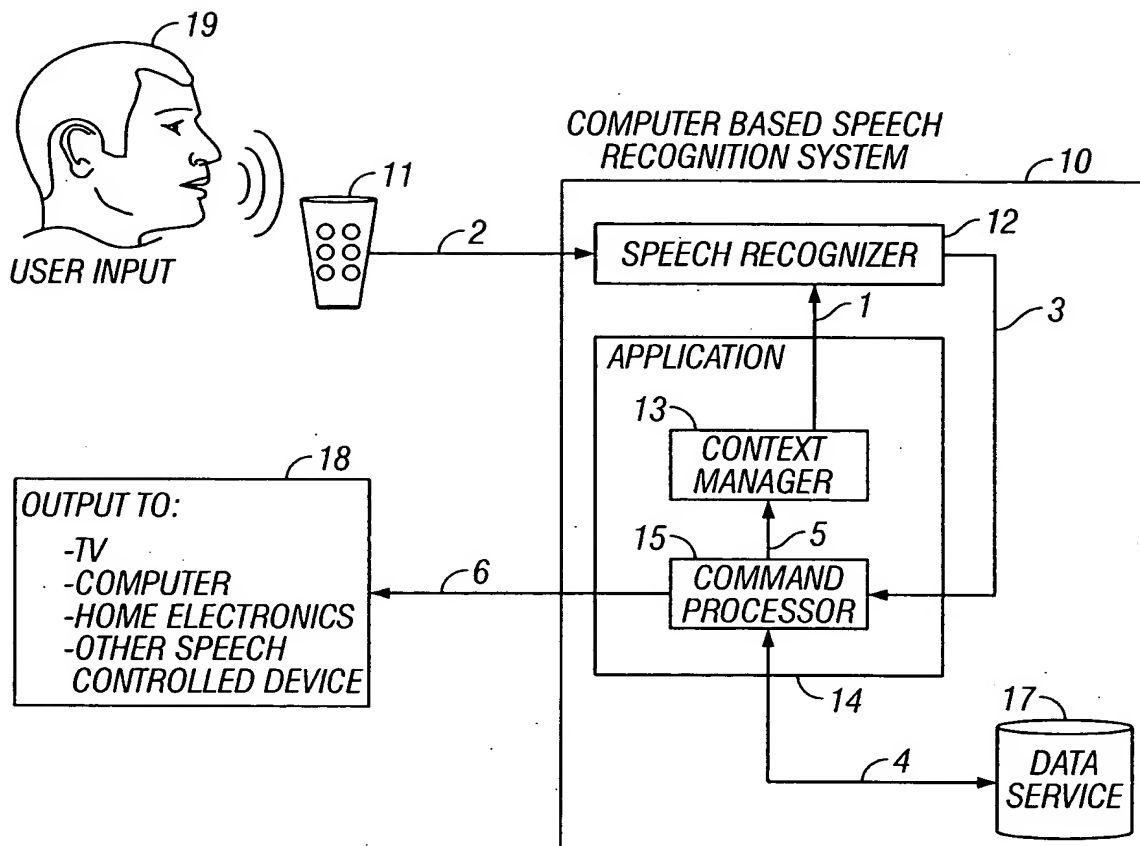


FIG. 1

TOP-LEVEL GRAMMAR 20

UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"SET"	CHAINED COMMAND	SET GRAMMAR
"FIND"	CHAINED COMMAND	FIND GRAMMAR
ETC.	ETC.	ETC.
ETC.	ETC.	ETC.

"SET" GRAMMAR 22

UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"OPTIONS"	CHAINED COMMAND	OPTION GRAMMAR
"PREFERENCES"	CHAINED COMMAND	PREFERENCES GRAMMAR
ETC.	ETC.	ETC.
ETC.	ETC.	ETC.

"OPTIONS" GRAMMAR 24

UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"FAVORITE"	CHAINED COMMAND	FAVORITE GRAMMAR
"BLOCKS"	CHAINED COMMAND	BLOCKS GRAMMAR
ETC.	ETC.	ETC.
ETC.	ETC.	ETC.

"FAVORITES" OPTION 26

UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"CHANNEL 2"	CHANNEL TYPE	NONE
"CATEGORY"	CHAINED COMMAND	CATEGORY GRAMMAR
ETC.	ETC.	ETC.
ETC.	ETC.	ETC.

"CATEGORY" GRAMMAR 28

UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"SPORTS"	CATEGORY TYPE	NONE
"MOVIES"	CATEGORY TYPE	NONE
ETC.	ETC.	ETC.
ETC.	ETC.	ETC.

FIG. 2

PROGRAM INFORMATION GRAMMAR ³⁰

UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"ROBERT REDFORD"	ACTOR TYPE	ROBERT REDFORD
	CHAINED COMMAND	PROGRAMS GRAMMAR
ETC.	ETC.	ETC.
ETC.	ETC.	

ROBERT REDFORD PROGRAMS GRAMMAR ³²

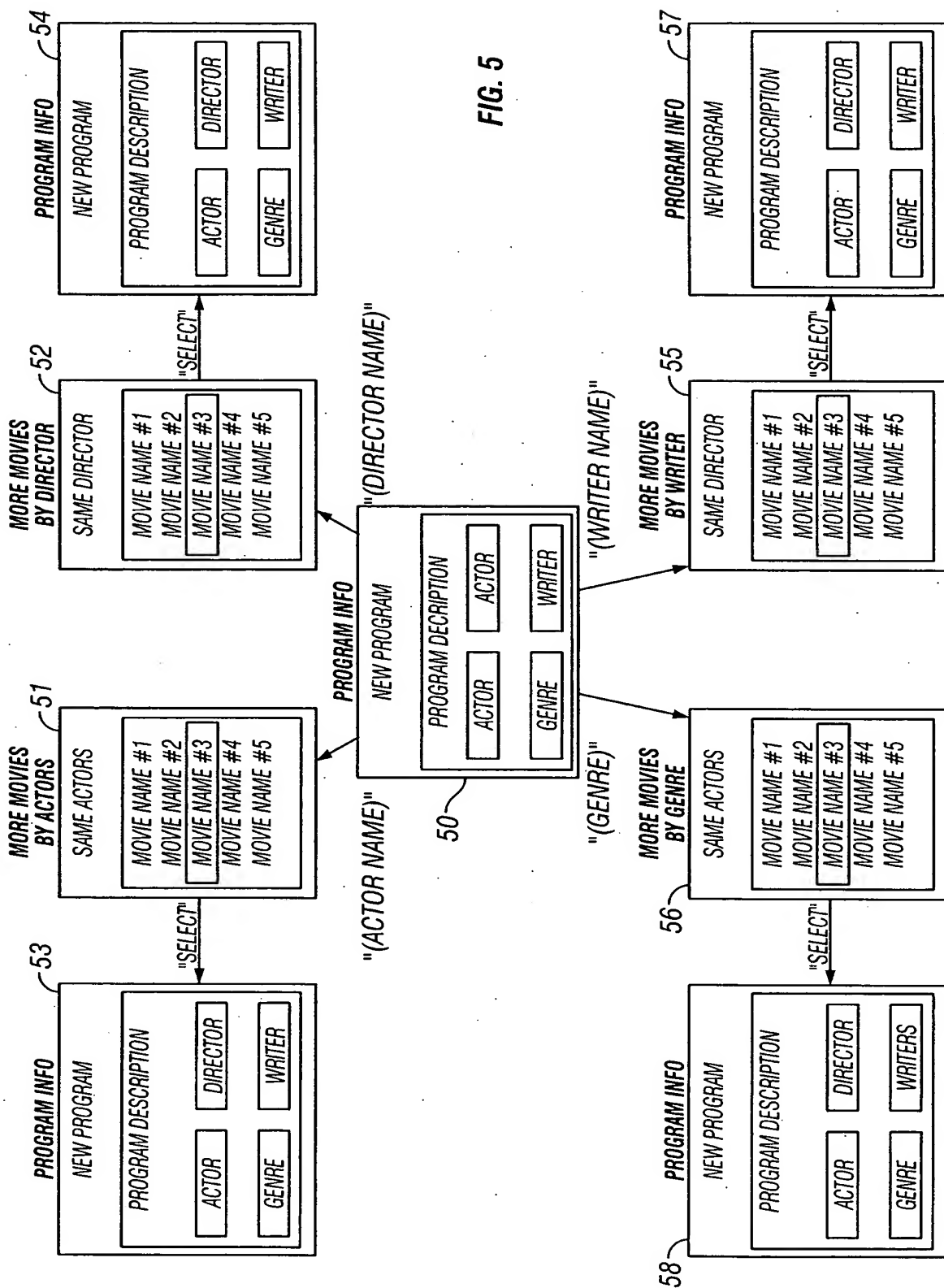
UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"BUTCH CASSIDY"	PROGRAM TYPE	NONE
"THREE DAYS OF THE CONDOR"	PROGRAM TYPE	NONE
ETC.	ETC.	ETC.
ETC.		ETC.

FIG. 3

PROGRAM INFORMATION GRAMMAR ³⁰

UTTERANCE	ATTRIBUTE	LINKED GRAMMAR
"ROBERT REDFORD"	ACTOR TYPE	NONE
ETC.	ETC..	ETC.

FIG. 4



STEP-BY-STEP TARGETED SEARCH (USING INDIVIDUAL COMMANDS)

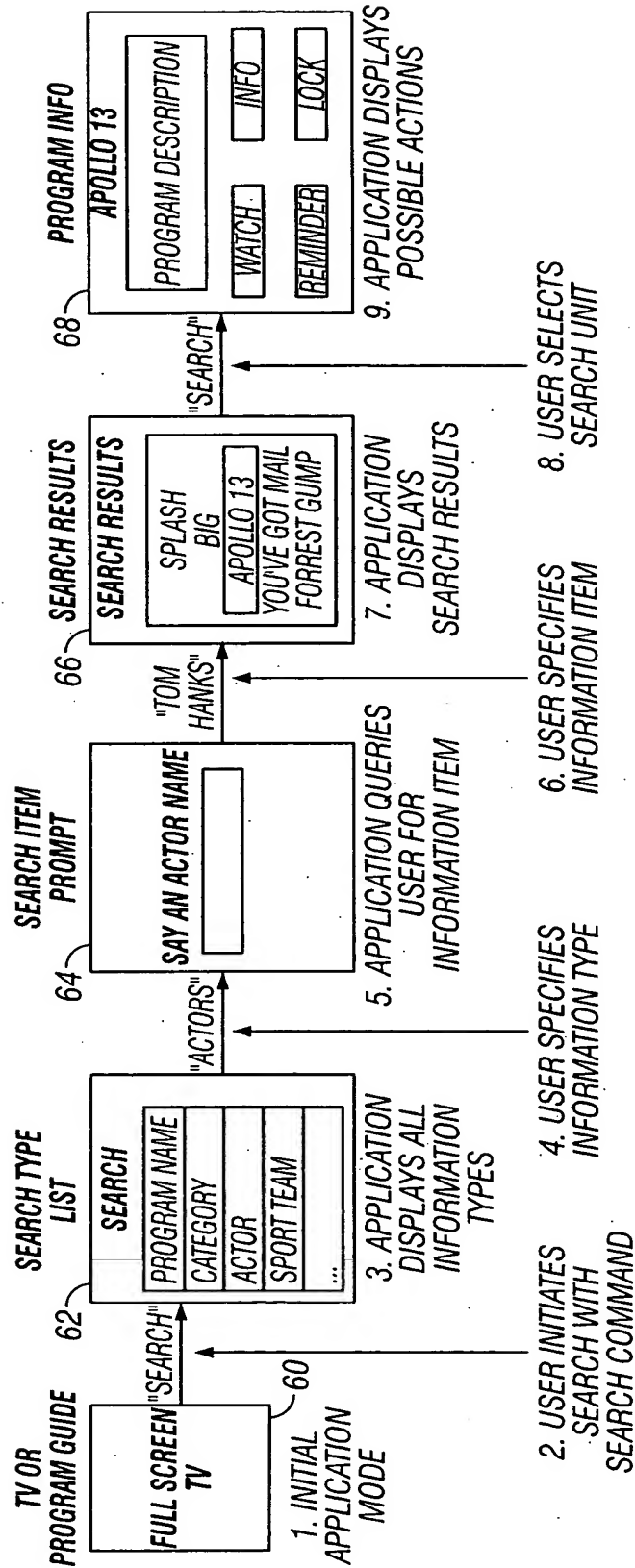


FIG. 6

ONE-STEP TARGETED SEARCH
(USING CHAINED COMMANDS)

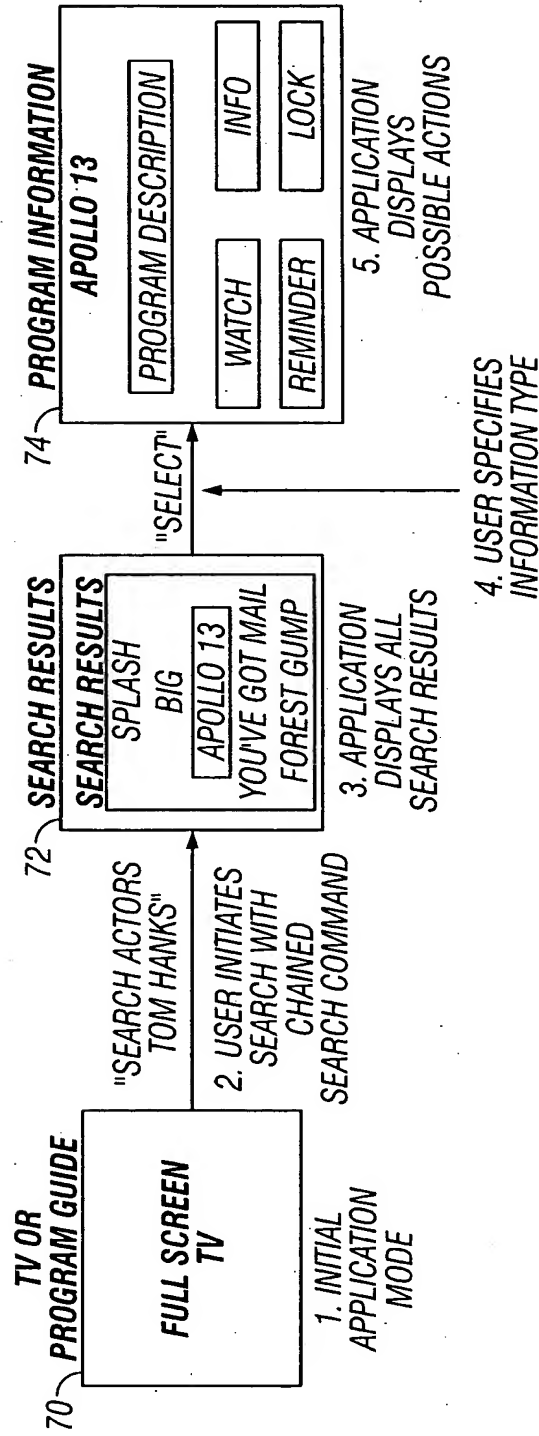


FIG. 7

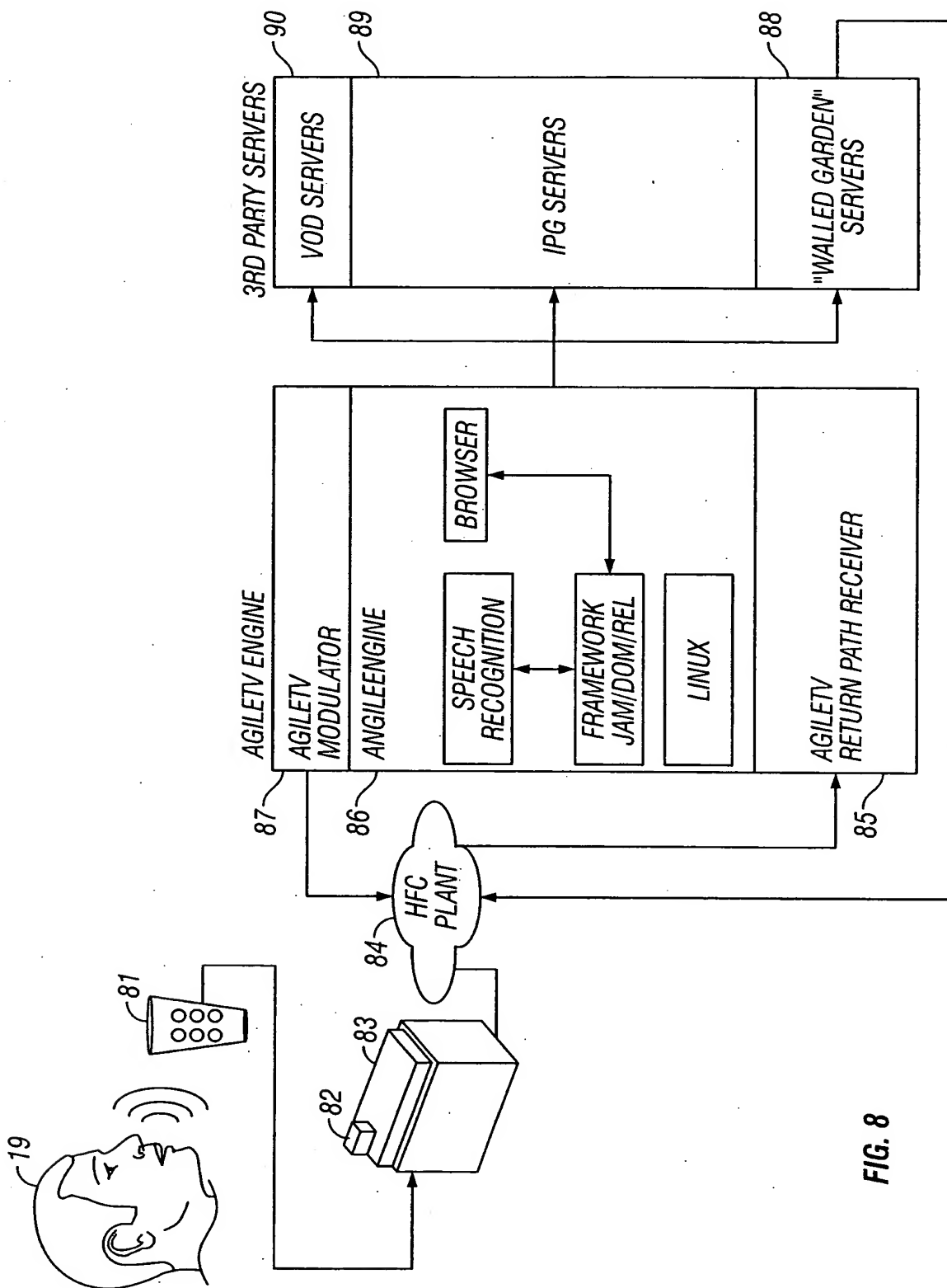


FIG. 8

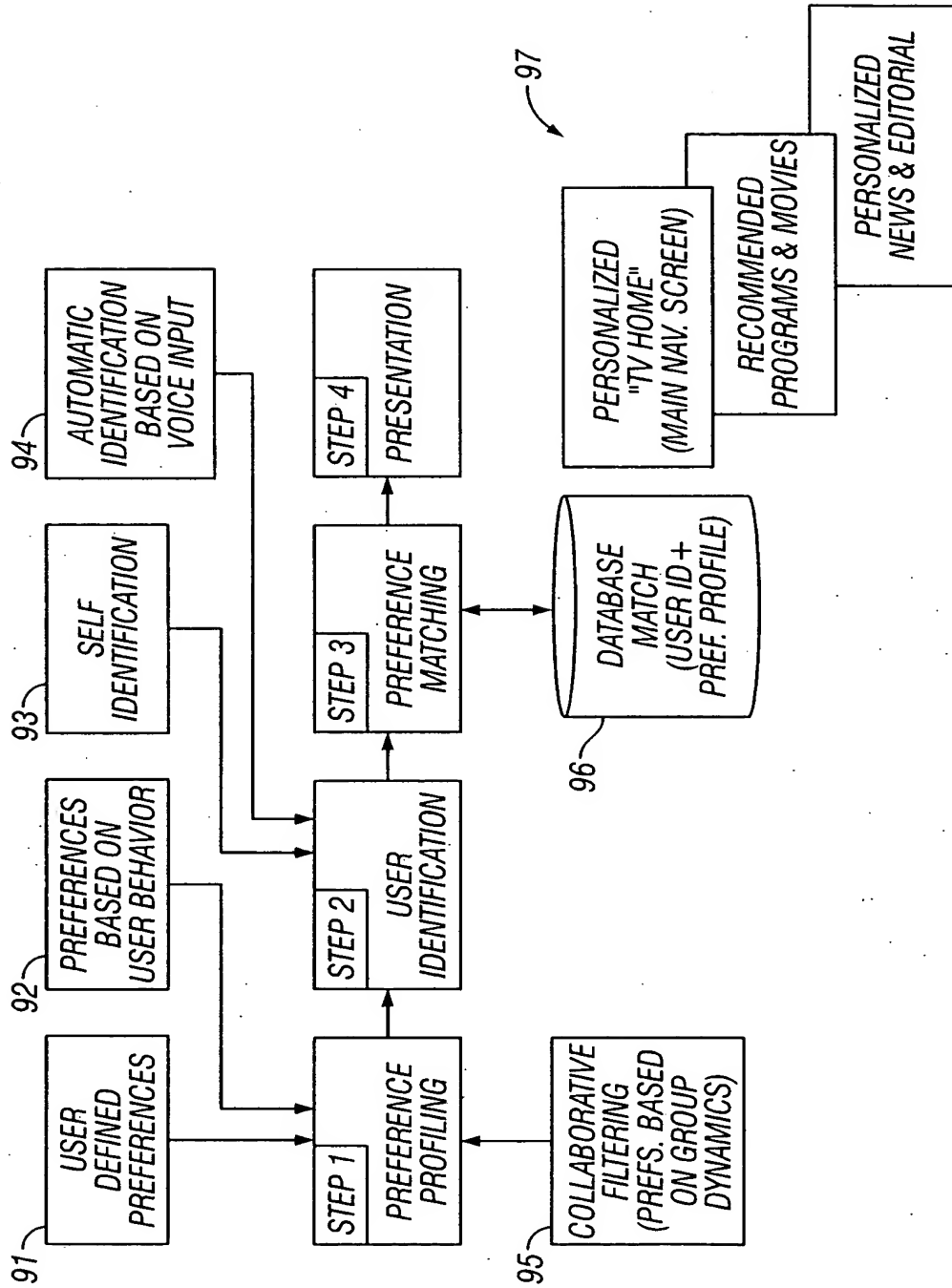


FIG. 9

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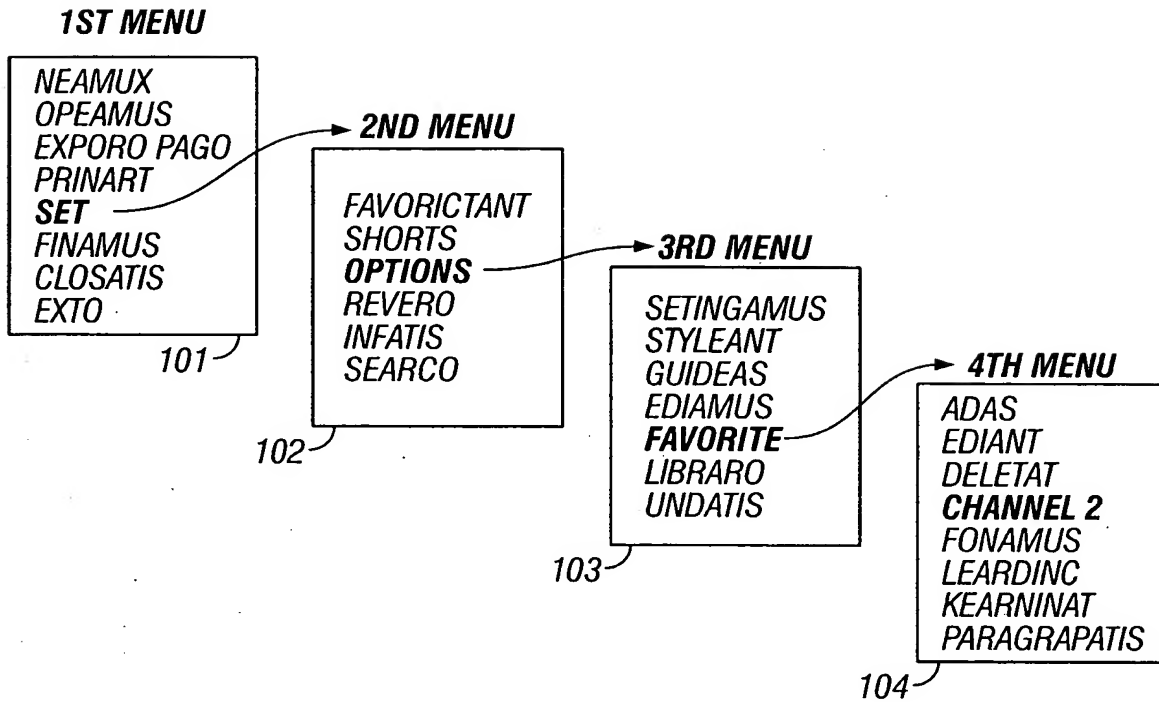


FIG. 10
(PRIOR ART)

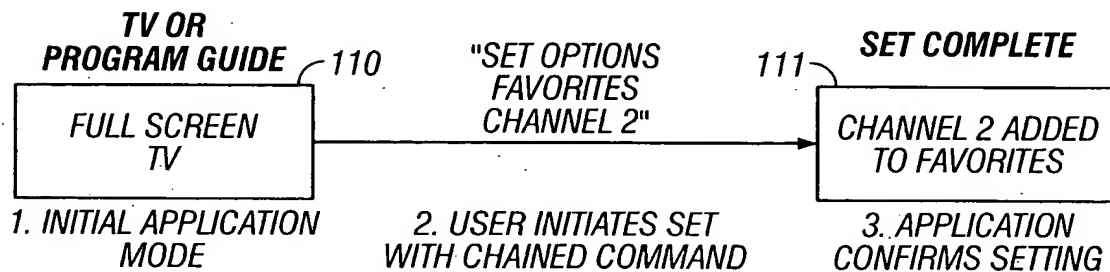


FIG. 11

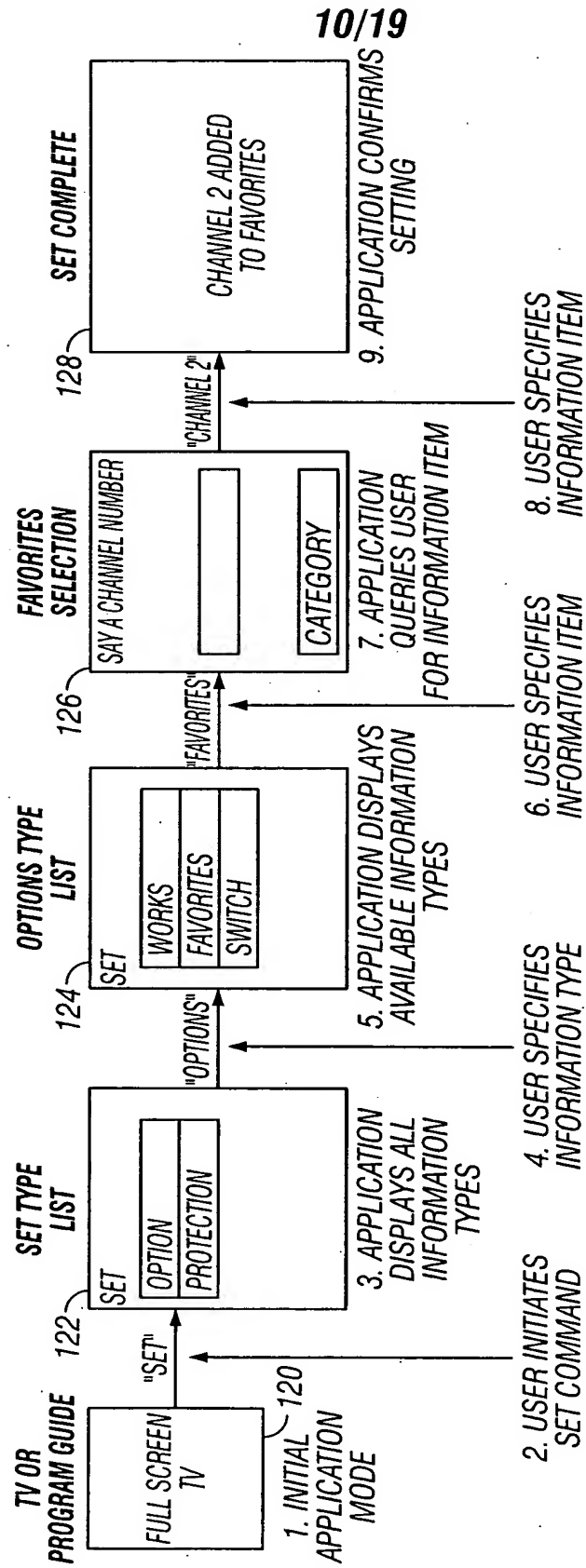


FIG. 12

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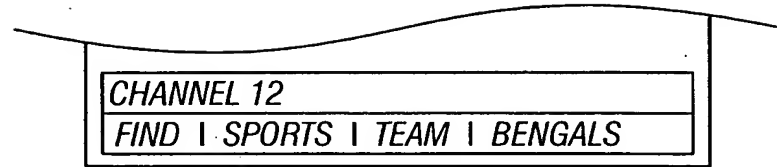


FIG. 13

PERSONAL CHANNEL LINEUP — 140

FULL LINEUP

2	FOX	TEXAS JUSTICE
3	HBO	SNATCH
4	NBC	FRIENDS
5	CBS	CSI MIAMI
6	ESPN	GIANTS vs. ANGELS
7	SCIFI	GODZILLA
8	MTV	MUSIC VIDEOS
9	SHO	SAVING PRIVATE RYAN
10	QVC	SHOPPING

GRAY INDICATES WHICH CHANNELS AND PROGRAMS HAVE BEEN ADDED TO USER'S PERSONAL LINEUP

PERSONAL LINEUP

4	NBC	FRIENDS
5	CBS	CSI: MIAMI
6	ESPN	GIANTS vs. ANGELS
8	MTV	MUSIC VIDEOS
9	SHO	SAVING PRIVATE RYAN

PERSONAL LINEUP ACTIVATED

PERSONAL CHANNEL LINEUP — 142

FULL LINEUP

2	FOX	TEXAS JUSTICE
3	HBO	SNATCH
4	NBC	FRIENDS
5	CBS	CSI MIAMI
6	ESPN	GIANTS vs. ANGELS
7	SCIFI	GODZILLA
8	MTV	MUSIC VIDEOS
9	SHO	SAVING PRIVATE RYAN
10	QVC	SHOPPING

GRAY INDICATES WHICH PROGRAMS BEING TO THE MOVIE CATEGORY

MOVIE CATEGORY LINEUP

3	HBO	SNATCH
7	SCIFI	GODZILLA
9	SHO	SAVING PRIVATE RYAN

MOVIE CATEGORY LINEUP ACTIVATED

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CHANNEL, PROGRAM, RATING, AND CATEGORY BLOCKS — 144

FULL LINEUP

2	FOX	TEXAS JUSTICE
3	HBO	SNATCH
4	NBC	FRIENDS
5	CBS	CSI MIAMI
6	ESPN	GIANTS vs. ANGELS
7	SCIFI	GODZILLA
8	MTV	MUSIC VIDEOS
9	SHO	SAVING PRIVATE RYAN
10	QVC	SHOPPING

GRAY INDICATES WHICH CHANNELS AND PROGRAMS ARE BLOCKED

LINEUP WITH BLOCKS

2	FOX	TEXAS JUSTICE
3	HBO	SNATCH
4	NBC	FRIENDS
5	CBS	CSI: MIAMI
6	ESPN	GIANTS vs. ANGELS
7	SCIFI	GODZILLA
8	SHO	SAVING PRIVATE RYAN

BLOCK CHANNELS IN EFFECT

ATROPHYING UNWATCHED CHANNELS — 146

FULL LINEUP

2	FOX	TEXAS JUSTICE
3	HBO	SNATCH
4	NBC	FRIENDS
5	CBS	CSI MIAMI
6	ESPN	GIANTS vs. ANGELS
7	SCIFI	GODZILLA
8	MTV	MUSIC VIDEOS
9	SHO	SAVING PRIVATE RYAN
10	QVC	SHOPPING

GRAY INDICATES WHICH CHANNELS HAVE NOT BEEN WATCHED

LINEUP WITHOUT UNWATCHED CHANNELS

2	FOX	TEXAS JUSTICE
3	HBO	SNATCH
4	NBC	FRIENDS
5	CBS	CSI MIAMI
6	ESPN	GIANTS vs. ANGELS
7	SCIFI	GODZILLA
8	MTV	MUSIC VIDEOS
9	SHO	SAVING PRIVATE RYAN
10	QVC	SHOPPING

UNWATCHED CHANNELS REMOVED FROM LINEUP

FIG. 14

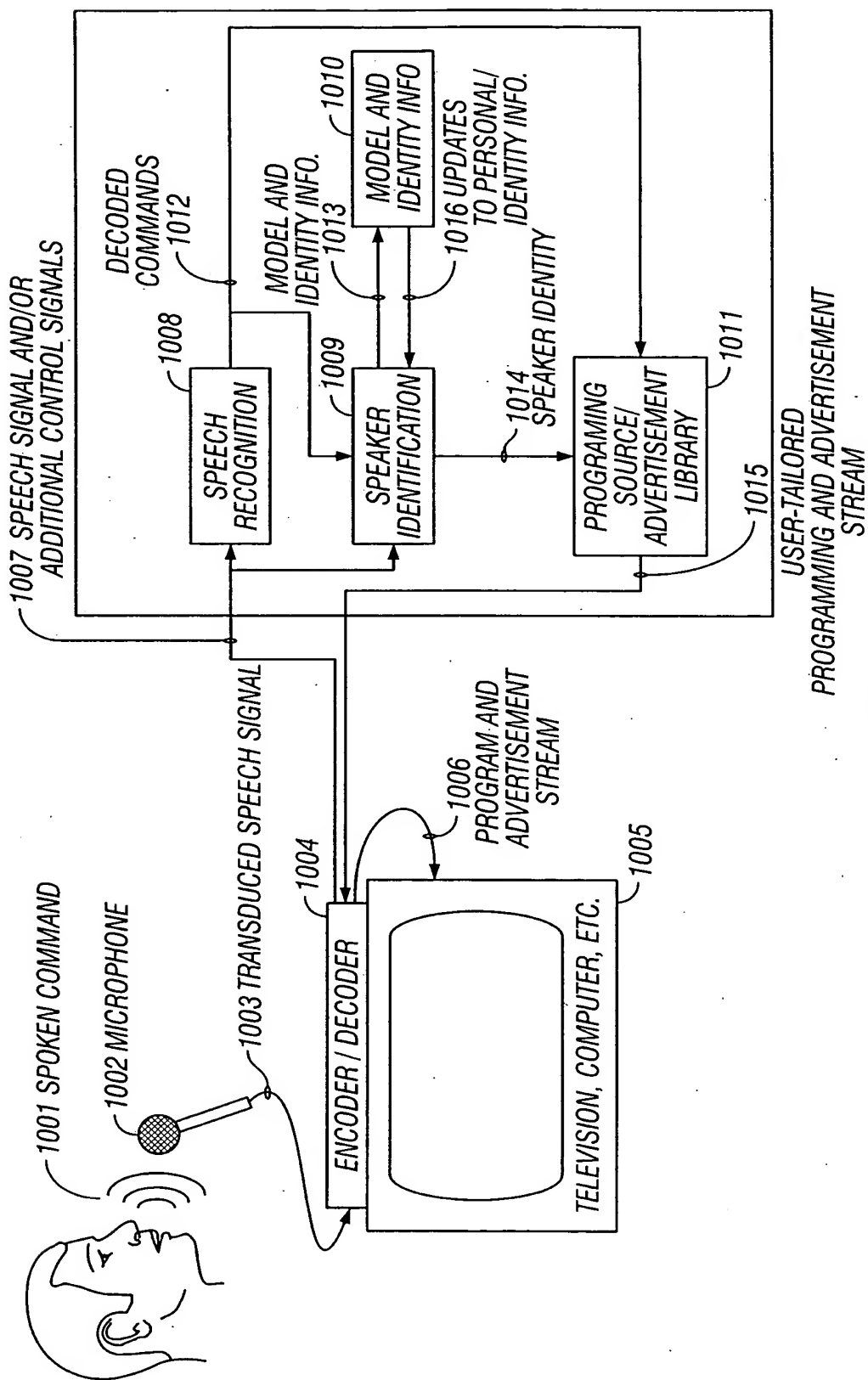


FIG. 15

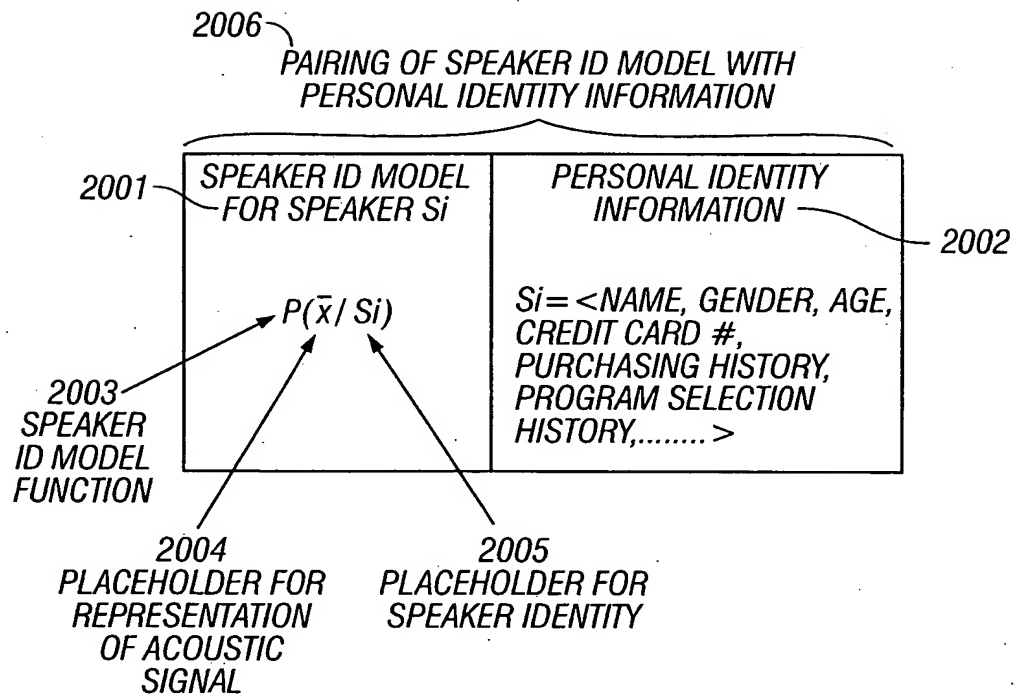


FIG. 16

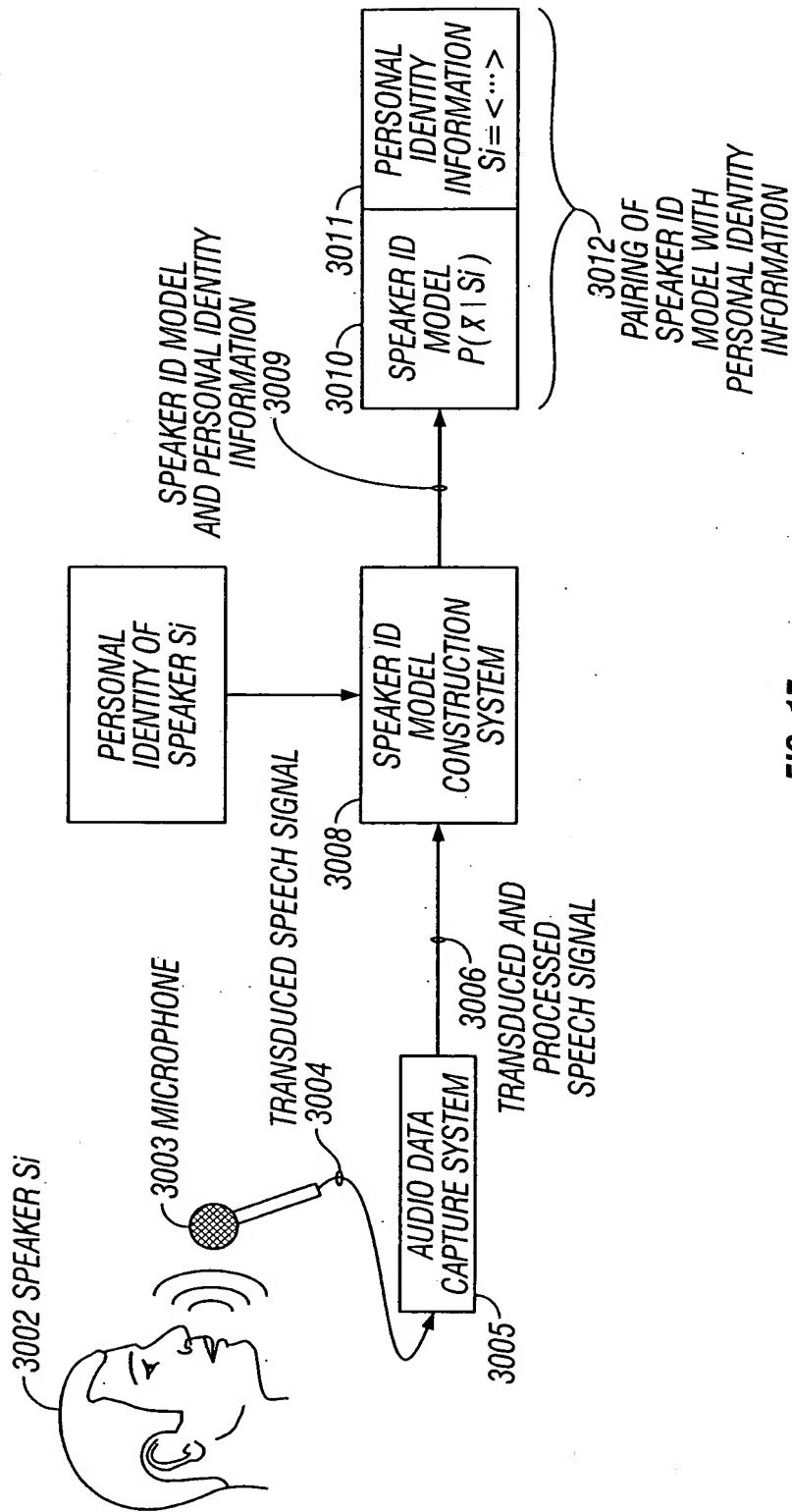


FIG. 17

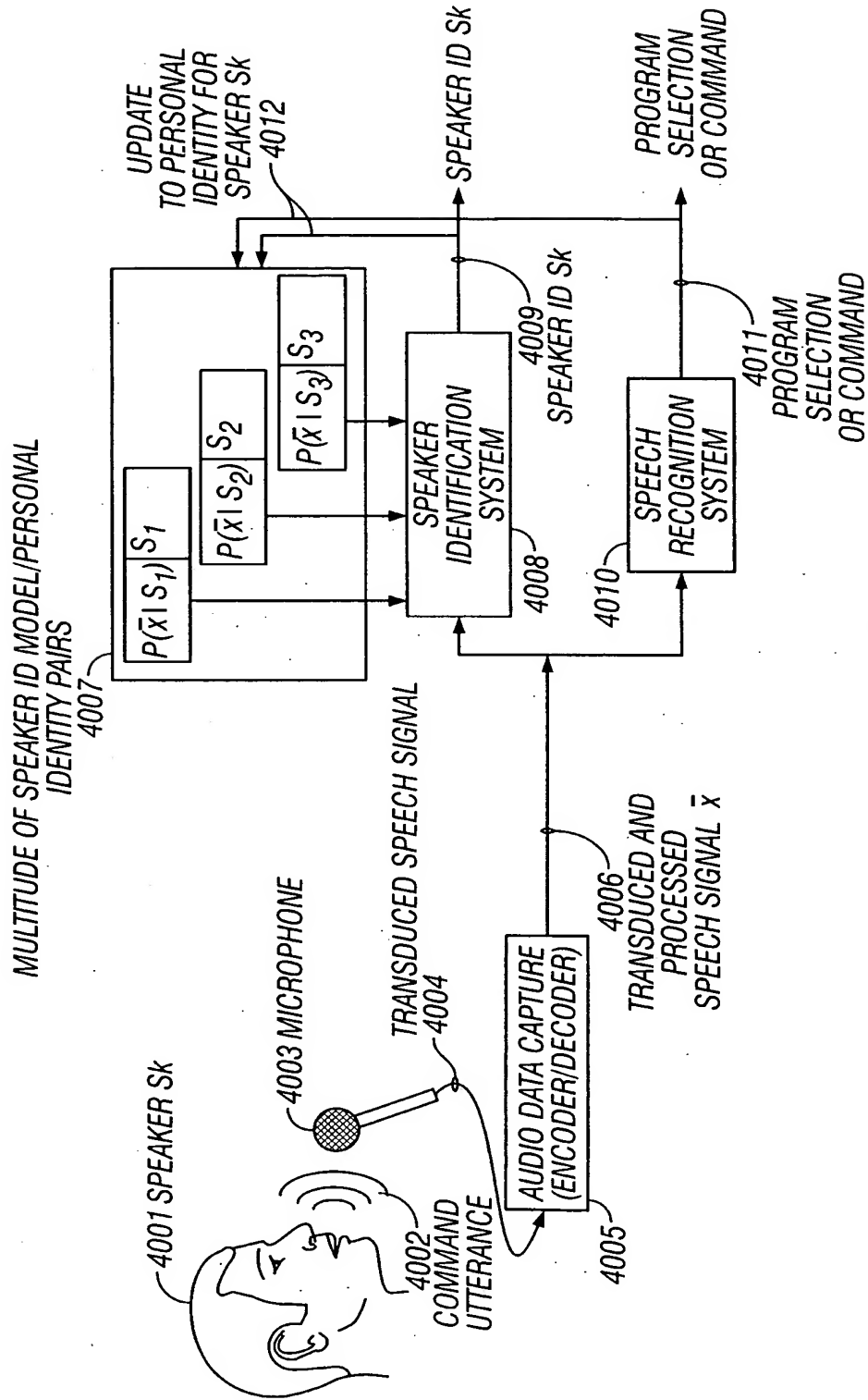


FIG. 18

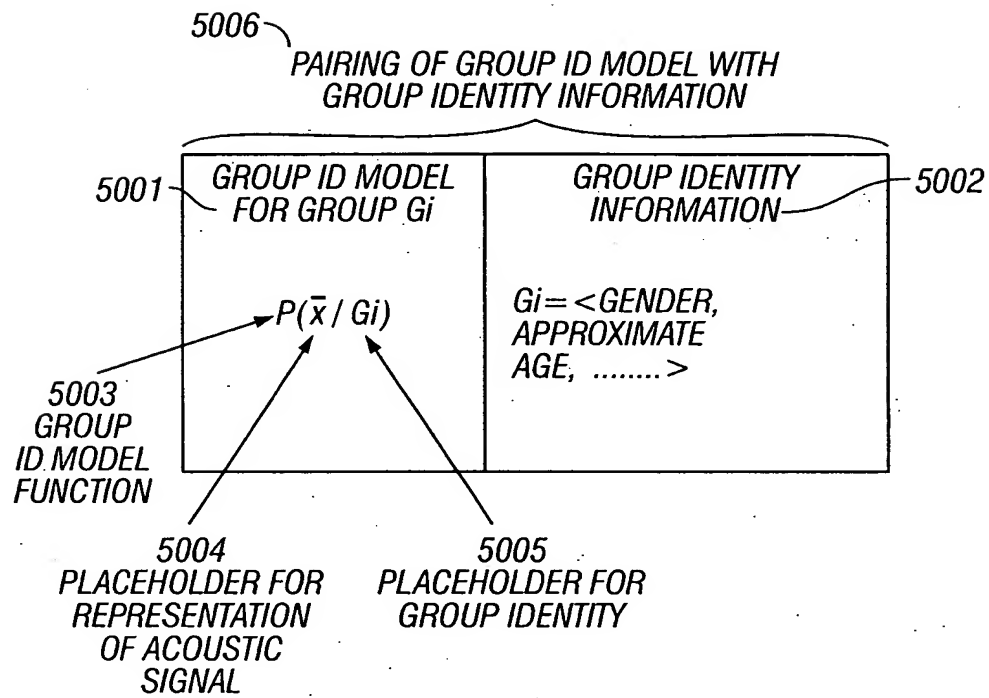


FIG. 19

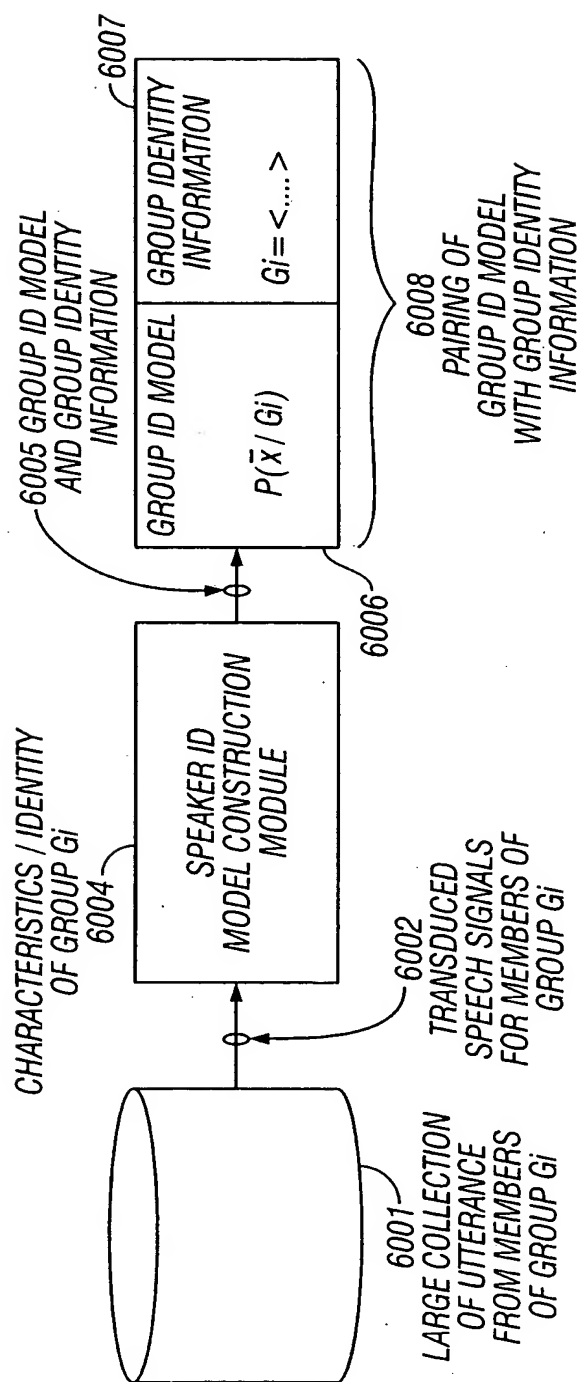


FIG. 20

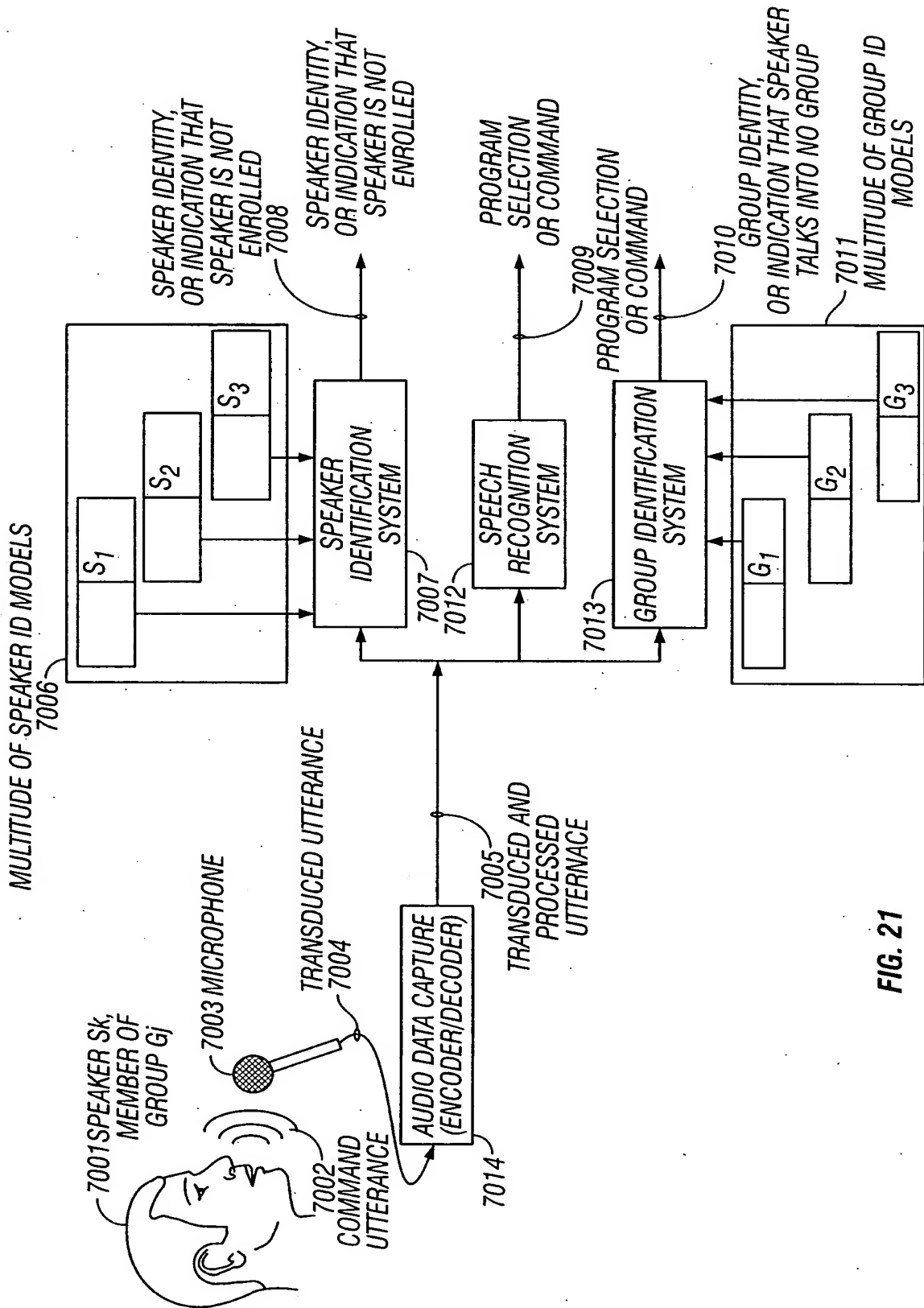


FIG. 21